



Project: Alaska Copper Works

Inspection Date: 2/24/2020

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm)	Influent	<u>90</u>	Effluent	<u>n/a</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>12</u>	Effluent	<u>8</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>11</u>	Effluent	<u>9</u>	
Carbon Filter Pressures (Lead)	Influent	<u>n/a</u>	Effluent	<u>n/a</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>n/a</u>	Effluent	<u>n/a</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No leaks
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Organized
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<2 gallons 10% Caustic 35 gallons 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Ok
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified - ok



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water: pH 6.54 Turbidity 7.81 NTU

Bag Filter Influent pH 8.31 Turbidity 7.19 NTU

Bag Filter Effluent pH 8.12 Turbidity 5.19 NTU

Carbon Filter Influent pH n/a Turbidity n/a NTU

Carbon Filter Effluent pH n/a Turbidity n/a NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank: _____

Treatment tank: _____

Backflush tank: _____

Main lift station: _____

North lift station: _____

South lift station: _____

Additional Comments, Recommendations and System Upsets:

8 unused filters remaining onsite.

Not enough water to run system through carbon for parameter check.

David DuBois

Technician

Project Lead Technician

Title

2/24/2020

Date

Submit